FC-2090C

20.8" MONOCHROME 3-MEGAPIXEL LCD MONITOR

Advanced Medical Imaging

The FC-2090C is the latest addition to EIZO's line-up of advanced display products designed for softcopy medical viewing. Ideal for CR, MRI, CT, DSA and other imaging modalities, its versatile mounting and viewing options and high resolution combine to offer a compact, high-performance way to upgrade from the bulky CRT-based systems of the past.

DOWN TO THE DETAILS

The FC-2090C's 3-megapixel (QXGA: 1536×2048) resolution gets right down to the details of every image. Its 10.5-bit processor can display 256 shades of gray from a palette of 1531, assuring accurately-differentiated rendering of the most delicate grayscale shadings. A DVI-D input provides a direct digital connection from the PC with no deterioration in image quality.

DUAL DOMAIN IPS PANEL

The demanding standards of image clarity imposed by medical applications are met by a dual domain IPS panel with an ultra-fine 0.207 mm pixel pitch, high resolution and 600:1 contrast ratio. Horizontal and vertical viewing angles are both 170°, so several screens can be viewed simultaneously from one position, and the high 650 cd/m^2 brightness makes images easy to see in any ambient light conditions.

DRIFT CORRECTION CIRCUIT

Within 30 seconds of startup or coming out of power save mode, a drift correction circuit stabilizes the brightness level to produce accurate images with a minimum of waiting.

AUTO BRIGHTNESS CONTROL

An EIZO patented circuit eliminates brightness fluctuation by detecting changes in the backlight brightness, and automatically adjusting the divergence to the brightness default setting or any level defined by the user.

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Additional Features

DUAL HEAD GRAPHICS BOARD

The graphics board is available in two versions, for use with either Windows or Solaris operating systems. Both allow portrait and landscape viewing with no additional software installation, and feature dual head DVI-D outputs to support two displays.

FREE MOUNT CAPABILITY

With its built-in power supply and compliance with the VESA industry standard, the FC-2090C is equally suitable for arm-mounted, wall-mounted or free-standing installation.

MULTI-PANEL VIEWING

The SlimEdge design features a perimeter bezel width of only 24 mm, making it easy to analyze and compare images when two or more panels are placed side by side.

INTERNATIONAL STANDARDS

The FC-2090C complies with the strictest international medical, safety and EMC emissions standards, including EN60601 and UL2601-1.
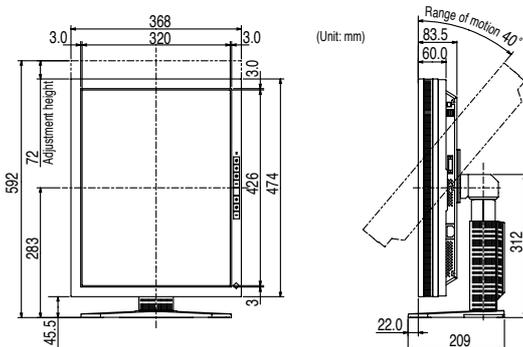
Accessory

FW-08

Designed to eliminate glare and protect the screen against dust and scratches, the FW-08 has a light transparency rate of 99% and anti-reflective coating on both sides.

Dimensions

(Unit: mm)

Specifications

Panel Size and Type	53 cm (20.8") TFT monochrome LCD panel
Cabinet Color	Black
Pixel Pitch	0.207 mm × 0.207 mm
Display Colors	256 shades of gray from a palette of 1531
Viewing Angles	H: 170°, V: 170°
Scanning Frequency	H: 92.86 – 96.72 kHz, V: 60 Hz
Display Resolutions	1536 × 2048 (portrait), 2048 × 1536 (landscape)
Brightness	650 cd/m^2 (typical)
Contrast Ratio	600:1 (typical)
Response Time	Rise Time: 25 ms, Fall Time: 25 ms
Dot Clock	132 MHz
Input Signals	DVI Standard 1.0
Input Terminal	DVI-D 24 pin
Active Display Size (H × V)	318 mm × 424 mm
Viewable Image Size	529 mm (diagonal)
Power Requirements	AC 100 – 120V / 200 – 240V, 50 – 60 Hz
Power Management	DVI-DMPM
Power Consumption	70 watts (typical)
Power Save Mode	Less than 15 watts
Height Adjustment	72 mm
Dimensions (W × H × D)	With Stand: 368 mm × 520 – 592 mm × 209 mm
	Without Stand: 368 mm × 474 mm × 84 mm
Net Weight	With Stand: 9.5 kg, Without Stand: 5.5 kg
Tilt / Swivel	40° Up, 0° Down / 35° Right, 35° Left
Certifications and Standards	TÜV/GM, CE, CB, UL 2601-1, CSA C22.2 No.601-1,
	FCC-A, Canadian ICES-003-A, VCCI-A
USB Standard / USB Ports	Standard Rev. 1.1 / 1 upstream, 2 downstream
Supplied Accessories	AC power cord, user's manual, signal cable
	(DVI-D ~ DVI-D × 1), warranty registration card

VREngine/MD3W and VREngine/MD3S
Dual Head Graphics Board

	MD3W	MD3S
Compatible Operating Systems	Microsoft Windows	Sun Solaris8 (Sparc) or later
	NT 4.0 Workstation	
	(Service Pack 6 or later)	
	Windows 2000 Professional	
Host Processor Frequency	500 MHz or greater	300 MHz or greater
Main Memory	256 MB or greater	128 MB or greater
Interface	PCI bus (PCI Version 2.1)	PCI bus (PCI Version 2.1)
Output Signal	DVI	DVI

With current LCD technology, a panel may contain a limited number of missing or flickering pixels.

Specifications are subject to change without notice.